NEW KOEHLER, TRUCK LINE.

Improved Models Exhibited at the

Show Here.

With the coming of a greatly in-

creased demand for truck transportation

and stricter requirements in the trucks

that are to render this larger service

the H. J. Kochler Motors Corporation of

Newark, N. J., a pioneer in the manufacture of trucks, recently has reorgan-

ized its engineering and selling staffs

and is giving the market a new line of

These new Koehlers, designed by C. D. Peterson, are on view at the New York Truck Show for the first time. Model "M." two and a half tons, is

Kochlers.

## NASH TON TRUCK FOUR WHEEL DRIVE EXHIBITED AT SHOW BRANCH OPENS HERE

Shares Honors With Famous J. H. Cottier and C. P. Mooney Quad, That Firemen Now Favor.

Users of trucks, especially those who

reputation throughout the country for W-D owners the best possible service. difficulties, whether it be pulling through

ture is the additional traction centributed by the set of pneumatic tires, which not only take care of the "un-sprung weight" of the truck, but also afford a broader and much more resili-

ent surface with which to grip the road. Briefly, the automatic locking differen-tial prevents the spinning of either rear wheel no matter what resistance its mate may be encountering and gives the greatest power to the wheel with the greatest traction. On the straightaway the instant one wheel starts to travel and by J. F. Darcy, formerly First Lieufaster than the other the differential locks automatically. The drive axle becomes, for all practical purposes, a solid charge of the truck unit of 1007 and the power of the motor is discons and the power of the motor is disconstantly active on the floor of the motor is disconstantly active active active act portion to the traction they are getting. Thus when one wheel becomes mired or

meets a slippery spot the other wheel with traction drives the truck forward. The pneumatic tires on the Nash one goods and in hurry up cases they prove

equipped with pneumatic tires, as a fire truck in places where reliability and speed are demanded. The Nash Quad is particularly adapted to this kind of work, as well as to other extraordinarily difficult hauling because of its driving and braking on all four wheels. The Quad is equipped with automatic locking differentials on both front and locking differentials on both front and cent to Troy and Albany will be adecent to Troy and

The Quad is equipped with automatic locking differentials on both front and rear sets of wheels, giving it double cent to Troy and Albany will be adequately provided for the front wheels on the Quad get in difficulty the rear wheels push the truck ahead just as the front wheels push the truck ahead just as the front wheels are in difficulty.

Preumatic tires on this powerful truck ahead if the rear wheels are in difficulty.

Preumatic tires on this powerful truck ability to meet hauling problems pecunial market in this territory adjation. The success of the F-W-D truck unstanced in the severest kind. Its many unjoys features and its ability to meet hauling problems pecunial market in this territory adjation. The success of the F-W-D truck unstanced in the severest kind its many unjoys features and its ability to meet hauling problems pecunial in the feature of the different lines of business ability to meet hauling problems pecunial market in this territory adjation. The success of the severest is a ability to meet hauling problems pecunial market in this territory adjation. At the same time the territory adjation to the fawing power of a new motor car must be derived from its design and exclusive lines. The other is not construction, which must be built by the manufacturers what at least one-haif the drawing power of a new motor car must be derived from its design and exclusive lines. The other is not construction, which must be built by the manufacturer who has the reputation for the very highest in mechanical development and the success of the severest in the manufacturer who has the reputation for the very highest in mechanical development and the success of the severest in the manufacturer who has the reputation one-haif the drawing power of a new motor car must be derived from its design and exclusive lines. The other is not one-haif the drawing power of a new motor car must be derived one-haif the drawing one-haif the dra

ferential feature and the pneumatic tire commercial vehicles will water subsequipment are also very important factors in maintaining the low operation costs of Nash trucks. Spinning and skidding, the two greatest wasters of tires and fuel, are both practically prevented by the automatic locking difference by the automatic locking difference by the automatic locking difference by local newspaper drives.

For the famous F-W-D, and users of of all a car that is a reminder to his friends and associates that he has ideas and ideals somewhat above the commen, this difference being along lines that the properties of the famous F-W-D, and users of of all a car that is a reminder to his friends and associates that he has ideas and ideals somewhat above the commen, this difference being along lines that the has ideas and ideals somewhat above the commen, this difference being along lines that the has ideas and ideals somewhat above the commen, this difference being along lines that the has ideas and ideals somewhat above the commen, the difference being along lines that the has ideas and ideals somewhat above the commen, the difference being along lines that the has ideas and ideals somewhat above the commen, the difference being along lines that the has ideas and ideals somewhat above the commen, the difference being along lines that the has ideas and ideals somewhat above the commen.

The Nash reputation for economy of transportation is likewise instanced in the starting and lighting system on Nash trucks, which, although apart from the above features, conserve fuel in an equally efficient manner. Nash trucks equally efficient manner. Nash trucks are all equipped with electric lights and starters, which enable them to work at his year's show is the exhibit of the hight as well as by day. They also reduce to an appreciable extent wear and tear on a motor because the driver of a Nash truck shuts off his motor at each a tear on a motor because the driver of a Nash truck shuts off his motor at each chassis in which the working parts to believe that these customs built models, now having their first exhibition at the Grand Central Palice show, Kisshows that it is hard to believe is satisfied. "In the new Kissel custom built models, now having their first exhibition at the Grand Central Palice show, Kisshows that the is hard to believe the statement of the motors of the motors of the motor at each the grand Central Palice show, Kisshows that it is hard to believe is satisfied. "In the new Kissel custom built models, now having their first exhibition at the Grand Central Palice show, Kisshows that the Grand Central Palice show, Kisshows that the Grand Central Palice show, Kisshows the exhibit of the models, now having their first exhibition at the Grand Central Palice show, Kisshows that the Grand Central Palice show, Kisshows the distribution of the control a Nash truck shuts off his motor at each stop, realizing that to start it all that is necessary is to press the starter

#### Truck Leader



A. C. BURCH.

one small piece of mechanism placed under the hood of every Clydes-dale truck must go the credit for the larger part of the phenomenal demand for Clydesdale trucks within the last four years," said A. C. Burch. Mr. Burch is vice-president and general sales manager of the Clydesdale Motor Truck Company, at Clyde, Ohio, and one of the visitors to the Automobile Show.
"This device," continued Mr. Burch, "is known as the Clydesdale controller, and has been aptly termed by Clydesdale owners 'the driver under the hood.'
"This controller does away with one

of the most serious difficulties confronting every owner who does not drive his own truck. This is the tendency of careless or inexperienced drivers to race the engine when declutching or starting thus prematurely shortening the life of the truck. The controller does away with this danger, for it absolutely con-trols the motor at all speeds.

"All that is necessary for the driver to do is to set the throttle for the speed he wishes to maintain. The controller opens or closes the carburetor throttle automatically, depending upon the load and road conditions.

"For instance, suppose your running along at eight miles an hour with the motor making 700 r. p. m. and down for a crossing. While "For Instance, suppose your truck is it slowed down for a crossing. While the brakes are on and the clutch released the controller keeps the engine idling. When the clutch is again engaged the controller automatically opens the throttle and the power of the engine is again exerted to bring the speed up to eight miles an hour within the shortest possible space of time. When that speed is reached the throttle auto-matically closes so that just enough gas is admitted to keep the truck mov-ing at the predetermined speed.

"The driver can still use the accelera-tor, which enables him to obtain the red burst of speed in some emer-

NEAR STEERING WHEEL,

NEAR STEERING WHERE.

If gar lever and the emergency brake or on the new series Marmon 24, extend at the Grand Central Paisce, are ted just under the right side of the ring wheel. Your hand naturally as to the brake and operates to with mid thought. Marmon 24 savers emit frequently and not far emercies only. It is good practice to use hand brake occasionally instead of service brake all the time. Then n the tense moment comes—pread, a brakes have been applied and the obeys, with plenty of clearance from the Brake and cutch make the oar eddingly easy to handle.

Are in Charge in Manhattan.

The Four Wheel Drive Auto Commust have a dependable service in every pany of Clintonville, Wis., has just season of the year, winter as well as opened a completely equipped factory summer, will be interested in the Nash branch at 438 East 149th street, New one ton truck, equipped with pneumatic York city. This step is indicative of tires, on exhibition at the Truck Show. | the company's consistent policy of pro-This truck has gained an enviable greesiveness and its desire to afford F-

its ability to master practically all road | The new branch has a personnel of experts in the upkeep of motor trucks, deep sand or driving up steep, slippery especially F-W-Ds. A large supply of The automatic locking differential truck parts will be kept on hand for with which the Nash one ton truck is eustomers occupying territory from Balequipped is largely responsible for the unusual power imparted to the driving wheels. Added to this mechanical feature of the cover Manhattan only.

cover Manhattan only.

The management of this branch is in

Springfield Truck Company.

Cooperating with Mr. Cottler is C. P.
Mooney, former sales manager of the
Chalmers Sales Company, Inc. of New
York Mr. Mooney is sales supervisor

Ward's first ambition was Blackstone. for this district.

of the best known and highly recom-mended commercial vehicles in the coun-in his la imposed in this mountainous section.

Lieut. Darcy finally commanded a fleet him personally. ening qualities and tractive power, also make, through their resiliency, for more comfortable riding and greatly increased speed. In the transporting of perishable goods and in hurry in cases they are the companies of \$,000,000 pounds of TNT from the religious contents. duty. The problems attending the transportation of 8,000,000 pounds of TNT from the railroad station to the isolated magazines in the Pocono Mountains tion and the King car has developed In this connection may be noted the were so severe that they were ultimately growing use of the famous Nash Quad, equipped with pneumatic tires, as a fire

Pneumatic tires on this product of the shock and liar to the shock

NASH SIX CARS ON DISPLAY.

Share Attention With New Model

Four. of the motor are exposed to view; the Nash sport model and other open and closed six cylinder cars also are on dis-

play.

The new Nash Four is strikingly Haynes Cars as Dependable as graceful in appearance and in point of construction it is unusually strong. The hody design is of streamline type and its proportions are in conformity with pendable power in a modern motor car,"
that good taste which marks a high degree in the coach builder's art. The of the Haynes Automobile Company, Ro-motor is clean cut in appearance; it is komo, Ind. "In order to get dependable motor is clear out in appearance, it is some fine the continual of the con

- He Makes Kings.



ARTEMAS WARD, JR

From making laws for New York State Eastern representative of the Kelly Springfield Truck Company.

Cooperative of the Kelly springfield Truck Company.

and while a member of a prominent New York law firm, he was nominated in the Reid, formerly salesman in the solid tire
division of the Goodrich Tire Company,
State Assembly. Elected, he served in
and by J. F. Darcy, formerly First Lieuthe session of 1968, and was reelected tenant of the United States Army, in for 1969, 1910 and 1911. During his charge of the truck unit of Tobyhanna, service for the Empire State he was a

> In his last term he was the only Re-publican elected in his district and won despite great opposition directed against

Since 1913 Mr. Ward has been con nected with the King Motor Car Comtion and the King car has developed from a four cylinder automobile selling for \$1,095, to a high powered eight, cost-ing over twice its original price.

#### EXCLUSIVENESS AIDS SALES.

Kissel Distributer Says That's Why Kissels Go Fast.

"The reason for this fact is based upon the desire of the motor car purchaser of to-day in possessing a desire for quality in the things he owns, and the more a motor car represents the work of the superlatively clever artisan the better he is satisfied

#### HAVE RUGGED MECHANISM.

They Are Handsome.

Besides beauty there must be de-

working parts of the Nash Six show ful new Haynes cars, which are truly chassis are incased in glass and are exposed to view. The chassis is finished in nickel and it is expected to attract unusual attention. The chassis is supplemented by a Nash five passenger and companionship. The readster is couring car, the Nash sport model, the smart looking with the serviceable wire wheels.

## Every Repairman Should Visit Booth D-39—4th Floor—Palace

A wholly unique exhibit covering every phase of that aristocrat of the repair field-Automotive Electricity.

This is the only school exclusively teaching the theory and practice of starting, lighting, ignition and batteries. It is intensely inter-Ambu Eugineering Institute esting to the man who wants to better his position or to have a shop of his own.

The course covers only 8 weeks of shop, laboratory and class room. Let us tell you about it.

From the AMBU Electrical Trouble Shooter, introduced six years ago, has grown a whole line of battery and electric shop helps, as well as the school. These are shown in one exhibit. It includes Ambu electrical instruments, Ambu

American Bureau of Engineering 1601-3 S. Michigan Ave. Chicago, Ill.



### For Your Cadulac Open Car New Sedan Bodies

DISTINCTION OF DESIGN FOR THOSE WHO APPRECIATE A "WELL DRESSED CAR" EXACTNESS OF FINISH FOR THE CRITICAL STURDINESS OF CONSTRUCTION FOR COUNTRY AS WELL AS TOWN USE ABSOLUTE PROTECTION FOR ALL WEATHER

## LeROY M. GROSS

1778-BROADWAY AT FIFTY-SEVENTH STREET NEW YORK CITY :: PHONE CIRCLE 4528 Dorris Truck Is Sturdy.



Mr. Peterson, and the company estimates eight years of efficient service for this model as against the conventional five. The engine, a 35 H. P. Koehler-Herspeeds forward and reverse genr set cules, is described as an exceptionally fine unit. Specifications of the engine Spicer universal joints, Timken-David-Brown worm driven rear axle, Parish & and other principal parts are: Zenith Bingham frame, Koehler armored radia-carbureter, Elseman high tension magneto, Simplex "gridvalvo," solid shaft tor, Mather chrome-vanadium steel springs, Lavine steering and Wayne driven governor, Brown-Lipe ten plate wheels The power plant has three point dry disk type clutch, Brown-Lipe four suspension.

TWO NEW GARFORD MODELS.

one and One-Quarter and Three and One-Half Trucks Added.

"To meet more adequately a growing emand in certain transportation fields, he Garford Motor Truck Company in new models, which already have attained pany's tire repair school is "Yes." tensive line," says E. A. Williams, Jr.,

one-quarter ton Garaford and the three answer is imediately reversed

and one-half ton Garford.
"The former is designed to meet all

and one-half ton Garford.

"The former is designed to meet all the requirements of light hauling in the industrial, commercial and farm fields. It is particularly adapted to work on the farm.

"While virtually a one and one-half ton units. It has a one and one-half ton units. It has a one and one-half ton worm driven to know. The door supports being built is one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton to the body, and a truck of the car assure a minimum of vibration to the body, and a truction has made the motor practically without vibration at all.

Carcless and unscientific repairing, the Goodrich company points out, is responsible for the loss of hundreds of thousands of doltars to American car owners while for the loss incurred by neglected repairs—the additional strength obtainable in a truck of one and one-half ton units. It has a one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and one-half ton frame and its transmission is of the one and on

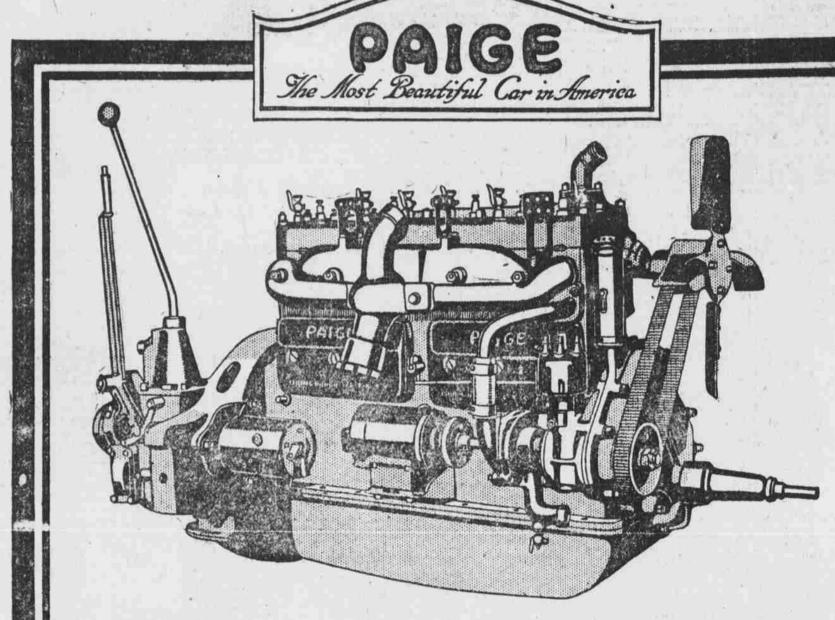
REPLACE WORK FARRIC,

This Is Necessary to Repair Tire Successfully. Can your worn or injured tire be suc-

cessfully repaired? To this vital question the answer exthe last few months has introduced two perts of the B. F. Godrich Rubber Com-

places of leadership in the company's ex- But if you asked these same experts whether the average tire is always ef-"These new models are the one and ficiently and successfully repaired the

Careless and unscientific repairing, the"



## Announcing a New Paige Motor

For three years the Paige engineers have been devoting their efforts to the development of a New Six-cylinder motor. With every facility for research and experiment, these men have worked with one definite object in mind-the production of the most efficient power plant in the world.

That motor is now an accomplished fact. It has passed from the laboratory to the road and there it has been tested mercilessly and continuously. It has been subjected to every stress and strain that brutal driving might suggest, but in each instance it has emerged with a flawless record.

These long, exhaustive tests have convinced us that the new Paige Motor is indeed the most efficient of all light sixes. In economy of operation, hill climbing ability, acceleration and flexibility it has far surpassed any power plant developed by this

Best of all it is an original Paige product-conceived by Paige it we have incorporated every approved feature that is known to automotive engineering.

In brief, it represents the sum total of current engineering knowledge. It expresses accurately and completely the tremendous strides of scientific development during the entire war period. It is a strictly modern achievement-a product of the combined genius of two continents.

# A New Paige Car

The war has taught American manufacturers many valuable lessons. In the past three years, for instance, we have developed an entirely new conception of precise manufacturing in large scale production.

You will find a striking example of this practice in the New Paige "Glenbrook" model.

The scrupulously accurate methods that were applied to delicate Government mechanisms are now producing every unit of our car. With the closest inspection, vastly increased equipment and much broader experience, there could be only one result-a highly refined, highly standardized product.

One ride in the "Glenbrook" tells an eloquent story of finelybalanced construction. The smooth, even power of the motor sweeps you along without a suggestion of vibration or mechanical noise. There is merely a gentle purr from the exhaust as the car glides on its way with the buoyancy of an aeroplane.

All road shocks and jars are immediately absorbed in the velvety spring suspension.

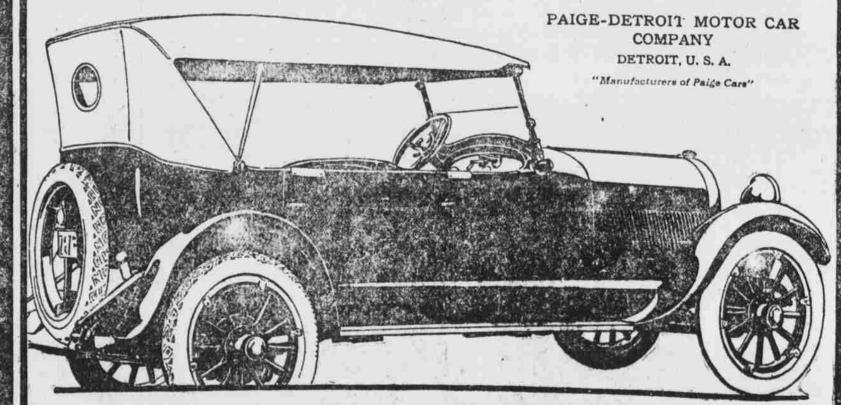
There is no danger of sway or "side slip" no matter what the speed may be, for every ounce of weight in the chassis is distributed with scientific precision.

Inside the car there is body room, leg room and elbow room for five adult passengers to travel in luxurious comfort.

The upholstering is soft and inviting—the equipment and general appointments throughout are the best that money can buy.

So far as the design is concerned, you of course know what to expect, for this is "The Most Beautiful Car in America."

The "Glenbrook" model is our latest achievement. We merely ask you to see it-ride in it-drive it-and form your own opinion. We shall be quite content to abide by the result.



PAIGE-DETROIT CO. OF N. Y. Inc.

1886 BROADWAY

Phone Columbus 6720